

FIG. 2

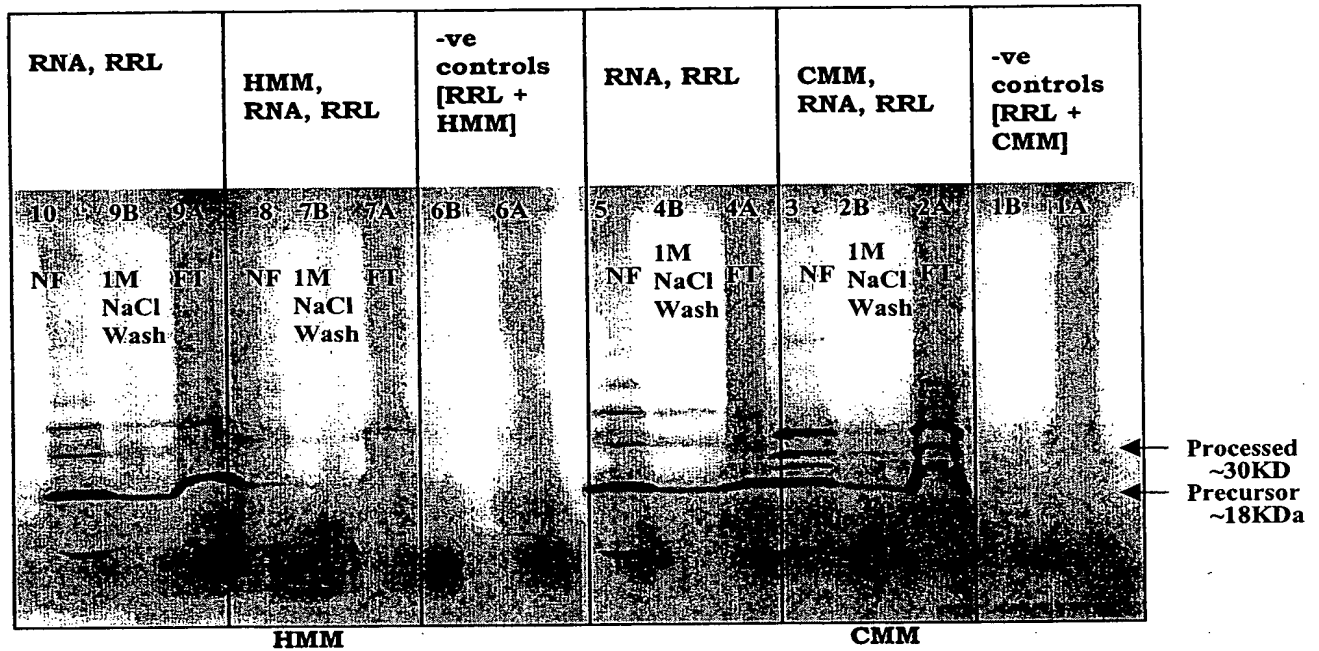


FIG. 3A

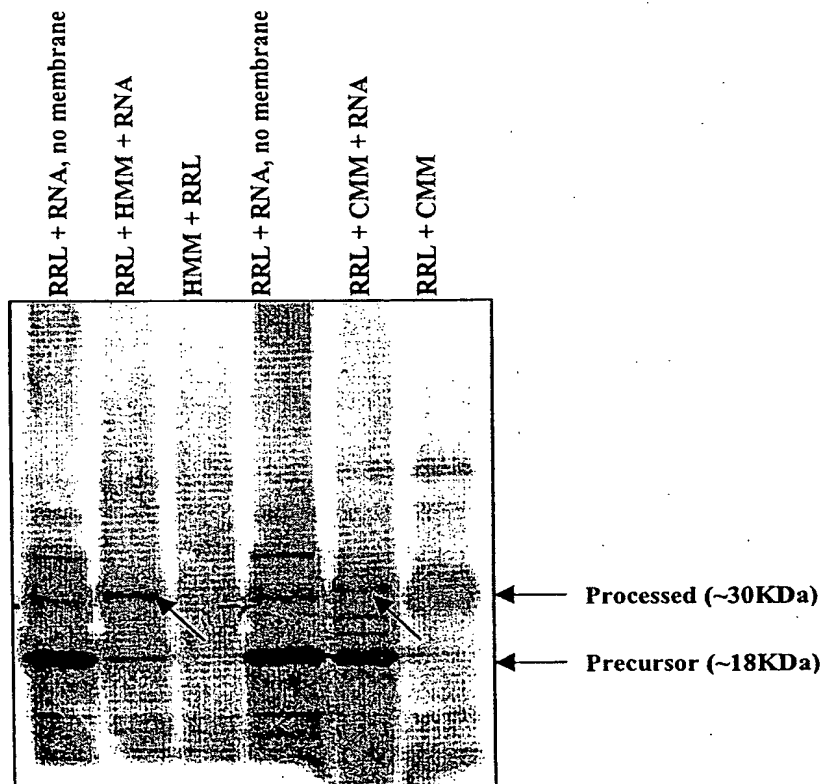


FIG. 3B

Purification of His-RNaseHI on Nickel NTA-Modified Silica Magnetic Particles

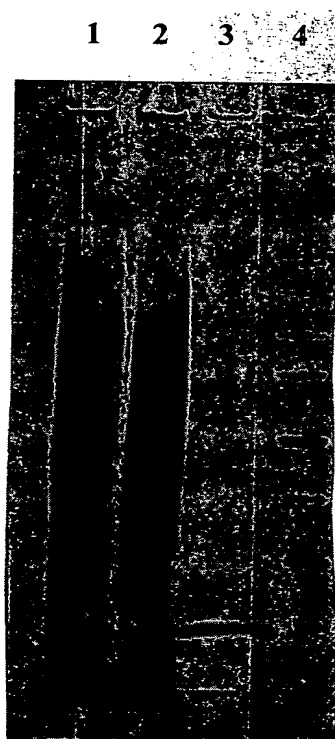
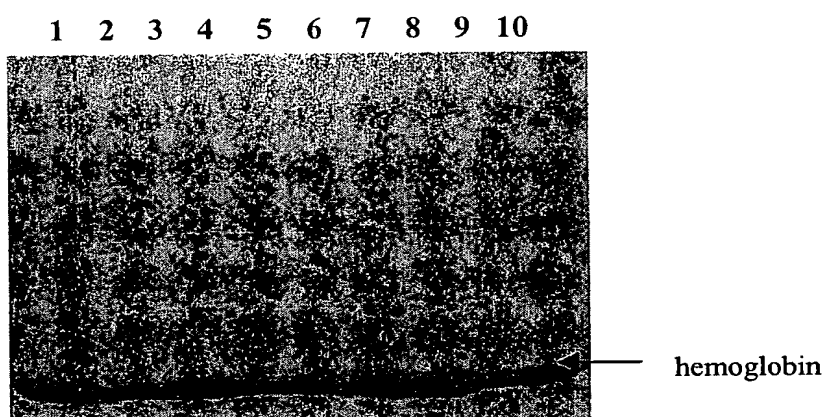


FIG. 6

Purification and Separation of Hemoglobin



- Lanes
- 1: Control lysate (before treatment)
 - 2: Molecular weight markers
 - 3: Nickel 100mM imidazole elution
 - 4: Copper 100mM imidazole elution
 - 5: Cobalt 100mM imidazole elution
 - 6: Zinc 100mM imidazole elution
 - 7: Nickel 500mM imidazole elution
 - 8: Copper 500mM imidazole elution
 - 9: Cobalt 500mM imidazole elution
 - 10: Zinc 500mM imidazole elution

FIG. 7

Purification of His-RNaseH1

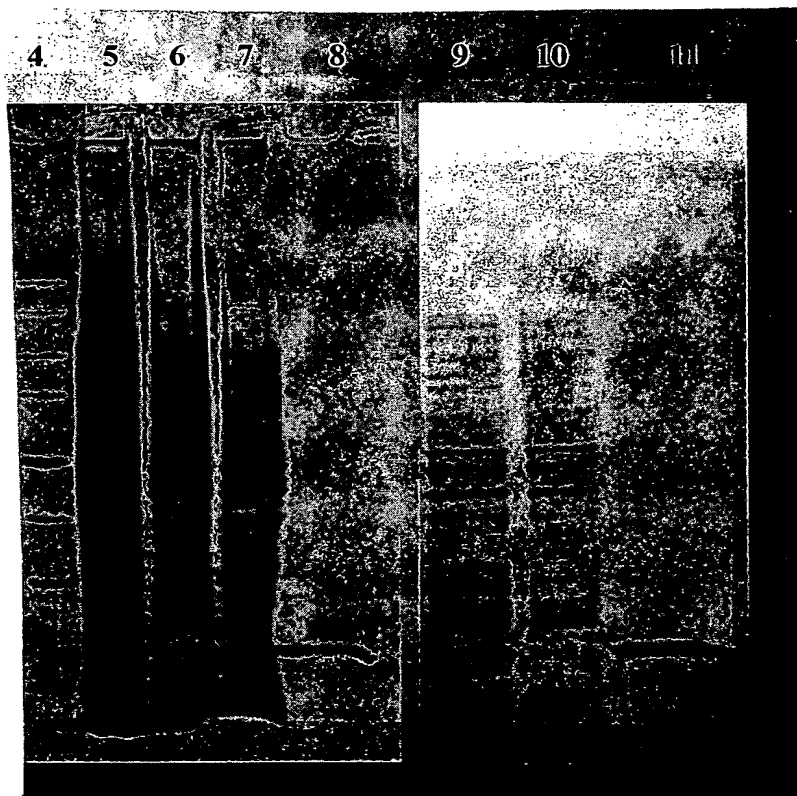
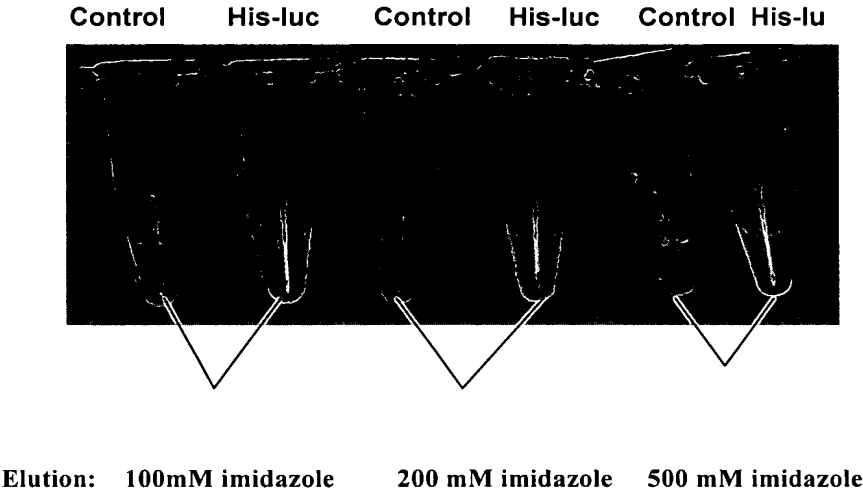
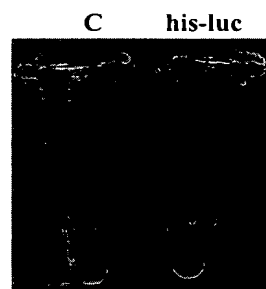


FIG. 8

FIG. 9A





500mM imidazole elution

FIG. 9C



FIG. 10

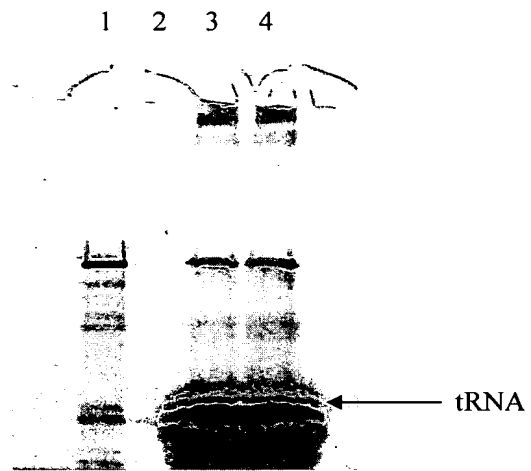


FIG. 11

1 2 3 4 5 6 7 8 9 10

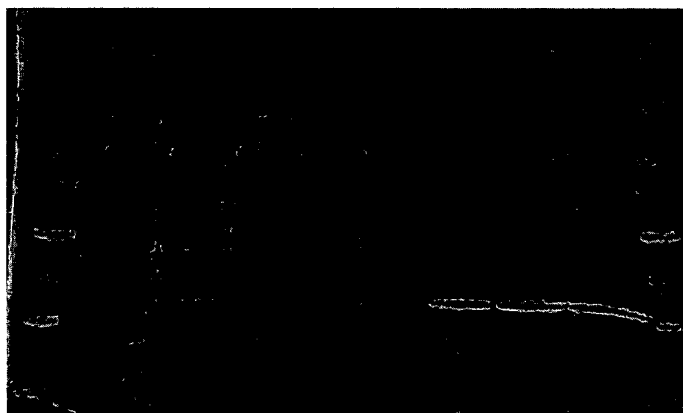


FIG. 12

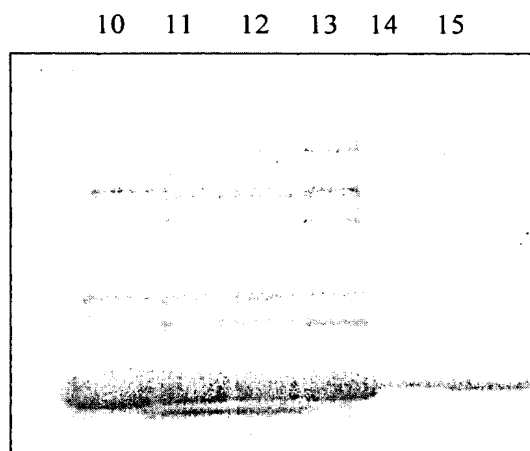
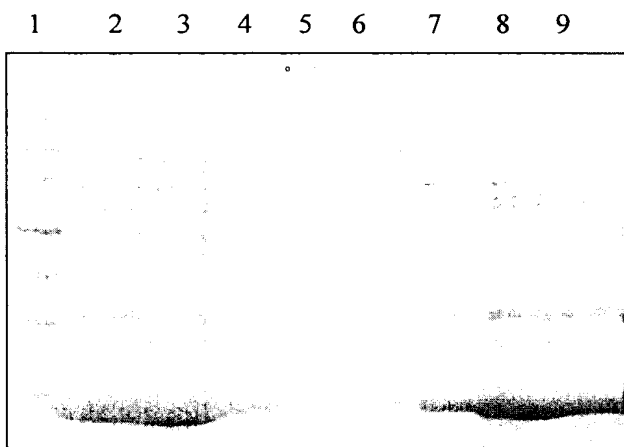


FIG. 15

FIG. 16A

1 2 3 4 5 6 7 8 9 10



1 2 3 4 5 6 7 8 9



FIG. 17A

FIG. 18A

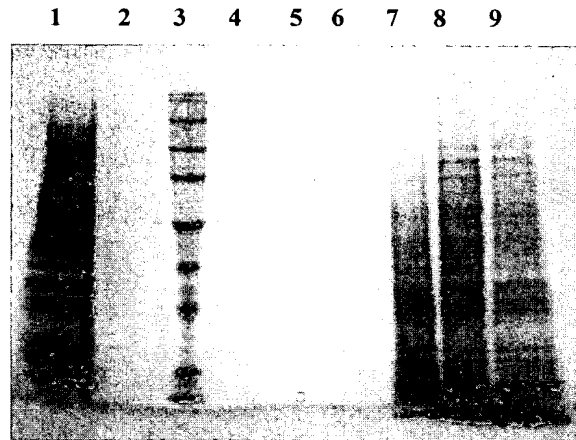
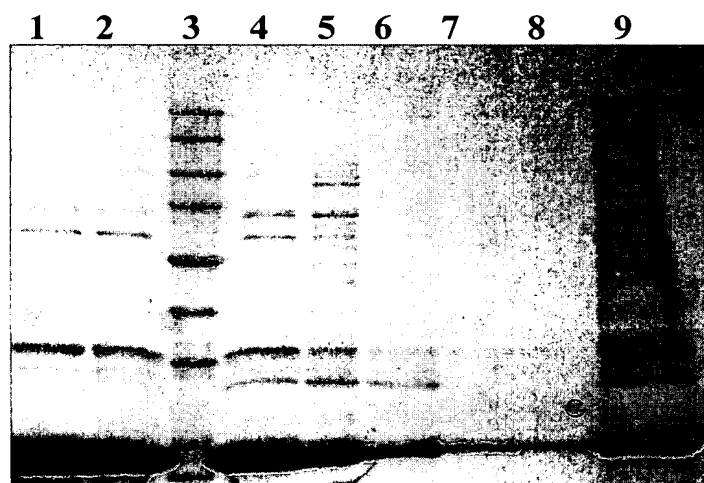


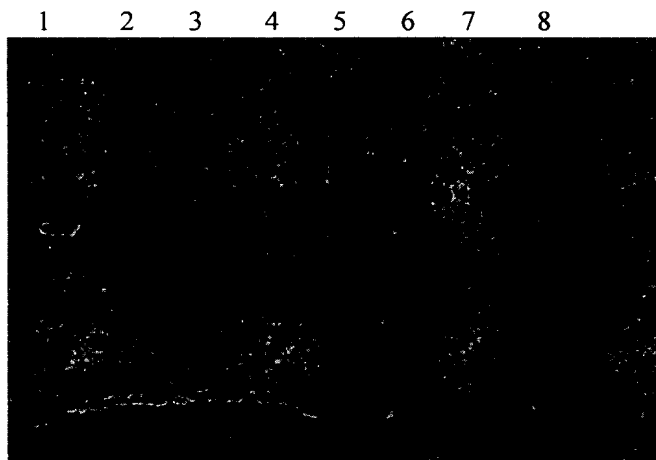
Fig. A. Binding and elution of complex mixture of proteins from copper-MagneSil particles

- Lanes:
- 1. Wheat germ lysate control
 - 2. 3 μ l wheat germ lysate flow through
 - 3. Marker
 - 4. 5 μ l wheat germ lysate flow through
 - 5. 10 μ l wheat germ lysate flow through
 - 6. 20 μ l wheat germ lysate low through
 - 7. 1 μ l wheat germ lysate elute
 - 8. 5 μ l wheat germ lysate elute
 - 9. 10 μ l wheat germ lysate elute



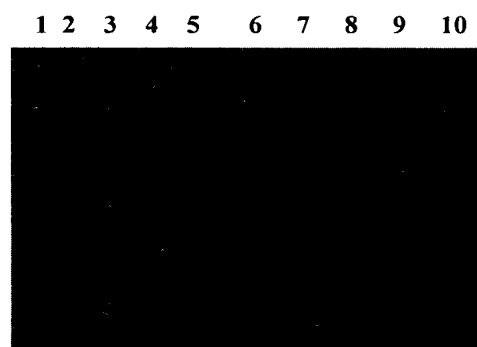
Lanes: 1. Eluted with 100 mM imidazole
2. Eluted with 200 mM imidazole
3. Marker
4. Eluted with 500 mM imidazole
5. Eluted with 1M imidazole
6. Eluted with pH 8.5 ammonium acetate
7. Eluted with pH 9.5 ammonium acetate
8. Eluted with pH 10.5 ammonium acetate
9. Eluted with pH 12.5 ammonium acetate

FIG. 19



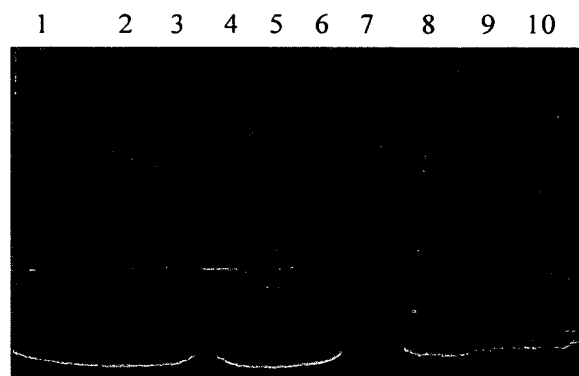
Lanes: 1. Molecular weight markers
2. Eluted with pH 8.5 ammonium acetate
3. Eluted with pH 9.5 ammonium acetate
4. Eluted with pH 10.5 ammonium acetate
5. Eluted with pH 12.5 ammonium acetate
6. Eluted with 0.05% TFA
7. Eluted with 0.1% TFA
8. Eluted with 1.0% TFA

FIG. 20



Lanes 1: Marker	6: Ga ⁺⁺⁺ -magnetic silica flow through
2: Control ovalbumin	7: NTA-magnetic silica elute
3: NTA-magnetic silica flow through	8: Nickel-magnetic silica elute
4: Nickel-magnetic silica flow through	9: Fe ⁺⁺⁺ -magnetic silica elute
5: Fe ⁺⁺⁺ -magnetic silica flow through	10: Ga ⁺⁺⁺ -magnetic silica elute

FIG. 21



- | | |
|---|--|
| 1. Control retic lysate | 6. Fe^{2+} -magnetic silica FT |
| 2. NTA-magnetic silica FT | 7. NTA-magnetic silica 2% NH_4OH eluant |
| 3. Ni^{2+} -magnetic silica FT | 8. Ni^{2+} -magnetic silica a 2% NH_4OH eluant |
| 4. Marker | 9. Ga^{3+} -magnetic silica a 2% NH_4OH eluant |
| 5. Ga^{3+} -magnetic silica FT | 10. Fe^{3+} -magnetic silica a 2% NH_4OH eluant |

FIG. 22

FIG. 23A

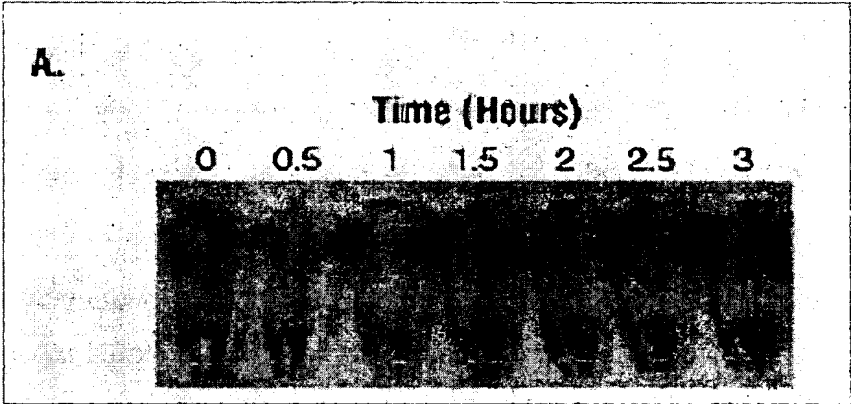


FIG. 23C

C.

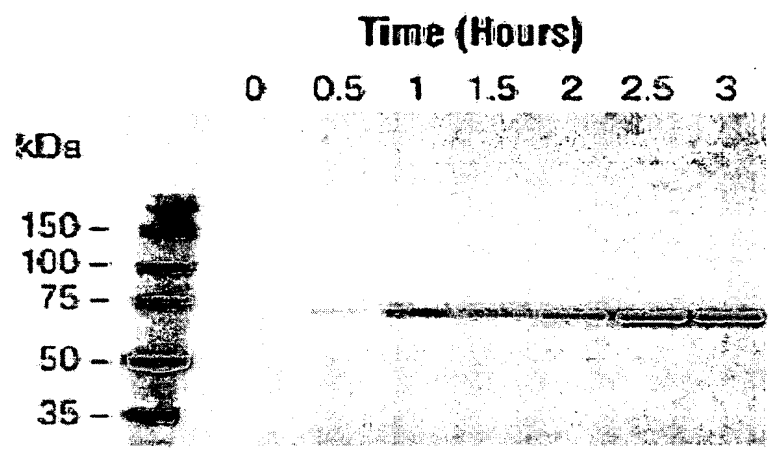


FIG. 24

1 2 3 4

